Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/16/2019 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124695	-1	1.17	124766	1.15
Blue	F	SSC	125000	125176	0	1.75	125976	1.74
Blue	E	FITC	16122	15562	-4	2.65	340	19.68
Blue	D	PE	29316	28815	-2	1.84	627	14.93
Blue	B	PerCP-Cy5-5	42590	42324	-1	3.66	1138	20.20
Blue	A	PE-Cy7	33146	33349	0	5.98	636	39.96
Red	C	APC	45473	45033	-1	2.40	1594	11.87
Red	A	APC-Cy7	31961	30893	-4	2.31	818	11.89
Violet	B	V450	7914	7393	-7	5.21	413	13.58
Violet	A	V500	29769	28449	-5	5.10	660	11.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20746	3.43	608	8	N/A	N/A	Pass
Blue	F	SSC	56931	1.21	554	16	N/A	N/A	Pass
Blue	E	FITC	61	61.47	539	2	0.0202	81	Pass
Blue	D	PE	130	49.42	542	5	0.1501	235	Pass
Blue	B	PerCP-Cy5-5	207	49.42	647	9	0.0092	48	Pass
Blue	A	PE-Cy7	118	99.47	699	8	0.0114	18	Pass
Red	C	APC	379	25.18	585	6	0.0260	203	Pass
Red	A	APC-Cy7	180	28.47	560	4	0.0056	910	Pass
Violet	B	V450	64	58.83	462	2	0.0495	1933	Pass
Violet	A	V500	99	33.63	475	3	0.0205	565	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.71	-31.98	1.02
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.09	13.60 - 20.40	N/A	N/A	29.35	30.02	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13885

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments